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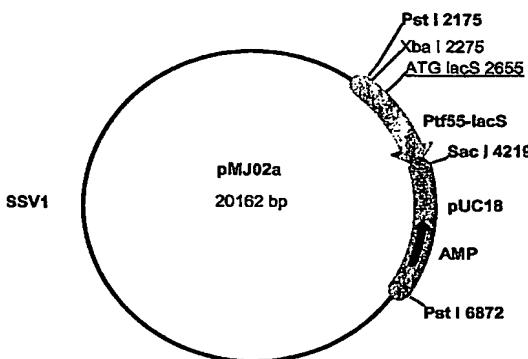
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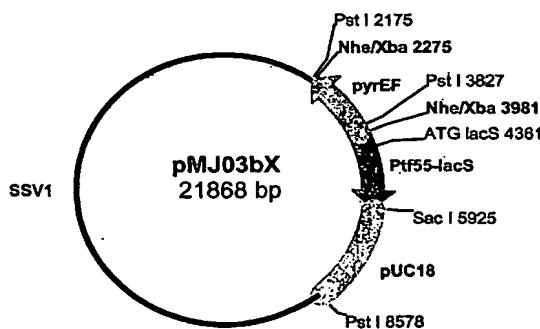
(54) Title: ARCHAEOON EXPRESSION SYSTEM

A



(57) Abstract: The present invention relates to a sulfolobus expression vector comprising: (a) sulfolobus origin of replication; (b) the genes encoding the structural proteins and the site-specific integrase of SSV1, SSV2 or pSSVx, operatively linked to expression control sequences and a packaging signal; (c) one or more selectable marker gene(s), operatively linked to sulfolobus expression control sequences; and (d) a sulfolobus promoter followed 3' by a restriction enzyme recognition site or a multiple cloning site for insertion of a gene of interest and optionally a 3' regulatory element. Moreover, the present invention relates to a shuttle vector comprising the sequences of the expression vector of the invention and additional sequences for propagation and selection in *E. coli*, wherein the additional sequences comprise (a) an *E. coli* origin of replication; and (b) a marker for selection in *E. coli*. Furthermore, the invention relates to host cells transformed with the expression vector as well as to a kit comprising a vector or a host cell of the present invention. Finally, the present application also relates to a method for generating infectious subviral particles.

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